

REMARKS

Claims 1-3 are pending in the present application with all claims being rejected in the present non-final Office Action. New Claims 4 and 5 have been added, and Claim 1 has been amended. The Examiner has requested that changes be made to the Abstract. All Examiner suggested changes have been applied.

Claims 1-3 were rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 6,166,720 (Sim), U.S. Patent No. 5,844,541 (Cahill) and further in view of U.S. Patent No. 5,844,623 (Iwamura). Sim describes a YUV to RGB converter for converting a digital YUV signal having a Y signal, a U signal, and a V signal to a digital RGB signal having an R signal, a G signal, and a B signal according to equations: $[R=Y+N_{\text{sub.1}} \cdot V]$, $[G=Y-N_{\text{sub.2}} \cdot V-N_{\text{sub.3}} \cdot U]$, $[B=Y+N_{\text{sub.4}} \cdot U]$, wherein the YUV to RGB converter performs only bit shifting and adding/subtracting operations, and $N_{\text{sub.1}}$, $N_{\text{sub.2}}$, $N_{\text{sub.3}}$, and $N_{\text{sub.4}}$ are constants.

Cahill describes methods and apparatuses for generating an image for display without creating a scaled bitmap. One or more bytes of digital data corresponding to portions of the image are received, scaled horizontally and vertically for display, and transmitted for display.

Iwamura describes a television set includes an integrated receiver decoder. By integrating the receiver/decoder with the television, some circuitry and memory are shared. Although the Examiner states, with reference to items 11, 43, 44, 45, 47 of Figure 2, that Iwamura discloses a mixer implemented to mix RGB data with RGB data converted from YUV data, such teaching or disclosure is not available from Iwamura. Iwamura, in column 4, lines 10-14 teaches that the signal reaching mixer 47 is analog:

RGB converter 11 converts the digital bit stream to appropriate RGB signals for CRT 32. The RGB signals are transmitted to digital-to-analog converter 48 which converts the digital RGB signals to their analog equivalents.

Similarly, in column 6, lines 10-21:

Returning to FIG. 2, the chrominance signal from digital process 40 is converted to an analog signal by D/A converter 41. The analog signal output from D/A converter 41 undergoes chroma process 43, which is a *conventional analog* color signal decoder. Chroma process 43 outputs B-Y and R-Y signals to Matrix 45.

Luminance signal Y from digital process 40 is converted to an analog signal by D/A 42. The output analog signal then undergoes luminance process 44, which is a *conventional analog* luminance signal controller/amplifier. The output of luminance process 44 is also provided to Matrix 45.

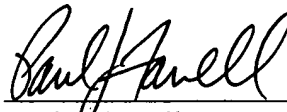
The above references cited by the Examiner indicate mixing of analog signals, it does not describe simultaneous reception and mixing of received digital RGB and YUV data converted to RGB. Neither Sim, Cahill, Iwamura, or any combination thereof disclose, describe, or suggest simultaneous reception of independent digital YUV and RGB data, and mixing of data converted to RGB from YUV and the independently received RGB data, as claimed in amended Claim 1 and new Claims 4 and 5.

Without conceding the patentability per se of dependent Claims 2 and 3, it is submitted that they overcome prior art by virtue of their dependencies on independent Claim 1. Accordingly, it is submitted that Claims 1-3 and new Claims 4 and 5 are patentable.

In view of the above remarks and amendments, reconsideration and allowance of Claims 1-3 and allowance of new Claims 4 and 5 is respectfully requested. Applicant submits that pending Claims 1-5 are believed to be in condition for allowance and allowance is respectfully

requested. Should the Examiner believe that a telephone conference or personal interview would facilitate resolution of any remaining matters, the Examiner may contact Applicant's attorney at the number given below.

Respectfully submitted,



Paul J. Farrell
Reg. No. 33,494
Attorney for Applicant

DILWORTH & BARRESE, LLP

333 Earle Ovington Blvd.
Uniondale, New York 11553
Tel: (516) 228-8484
Fax: (516) 228-8516